

ABSTRACT OF DISCLOSURE

The present invention relates to Fe-Cr-Al type alloys with additions to improve workability thereof, strength, and heat resistance. The present Fe-Cr-Al alloy for electric resistance wires
5 comprises a basic alloy added with only Be of below 0.01 wt% or with both Be and misch metal composed of rare earth elements wherein the basic alloy consists of a balance element of Fe, a Cr element of 12~30 wt%, an Al element of 3~14 wt%, a Zr element of 0.01~1.5 wt%, and a Ti element of 0.001~0.1 wt%. The present Fe-Cr-Al type alloys
10 remarkably improve physical properties of Fe-Cr-Al ferritic alloys, especially, workability and mechanical properties, and heating characteristic.